

II ( )

9

1.

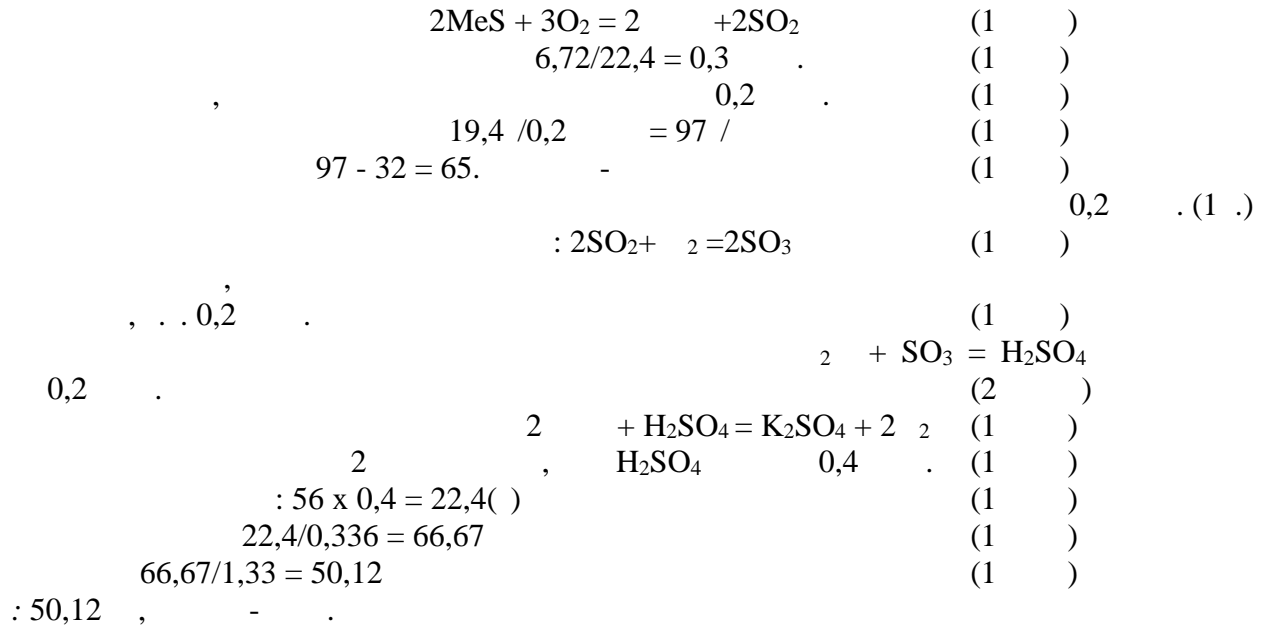
:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|----|
| 2 | 2 | 2 | 3 | 1 | 3 | 1 | 4 | 3 | 1  |

- 10

2.

.



- 15

3.

.

1.

$$n( \quad ) = \frac{11,2}{22,4 /} = 0,5 \quad 1$$

2.

$$- \quad (n(\text{NH}_3)), \quad (0,5 - ) \quad -$$

$$(n(\text{H}_2)). \quad 1$$

3.

$$m(\text{NH}_3) = 17 * x \quad 1$$

$$m(\text{H}_2) = 2*(0,5 - ) \quad 1$$

4.

$$m( \quad ) = m(\text{NH}_3) + m(\text{H}_2)$$

$$m( \quad ) = 17 + 2(0,5 - ) = 5,5 \quad 1$$

$$= 0,3 \quad , \quad \dots \quad n(\text{NH}_3) = 0,3 \quad 1$$

5.  
 $V(\text{NH}_3) = 0,3 \quad * 22,4 / \quad = 6,72 \quad 1$

6.  
 $m(\text{NH}_3) = 0,3 * 17 / \quad = 5,1 \quad 1$

7.  
 $\{ (NH_3) = \frac{6,72}{11,2} \cdot 100\% = 60\% \quad 1$

8.  
 $\check{S}(NH_3) = \frac{5,1}{5,5} \cdot 100\% = 92,73\% \quad 1$   
 $: 60\% \quad 92,73\%$

- 10

4.

- 1)  $\text{NH}_4\text{NO}_2 = \text{N}_2 + 2\text{H}_2\text{O} \quad (2 \quad )$
  - 2)  $3\text{Ca} + \text{N}_2 = \quad 3\text{N}_2 \quad (1 \quad )$
  - 3)  $\text{Ca}_3 \text{N}_2 + 6\text{H}_2\text{O} = 3 \quad \text{H}_2 + 2\text{NH}_3 \quad (1 \quad )$
  - 4)  $4\text{NH}_3 + 5\text{O}_2 = 4\text{N}_2 + 6 \quad \text{H}_2\text{O} \quad (1 \quad )$
  - 5)  $2\text{NO} + \text{O}_2 = 2\text{N}_2\text{O} \quad (1 \quad )$
  - 6)  $10\text{NO}_2 + 8 \quad \text{H}_2 = 4 \quad \text{H}_2\text{O} + 5\text{N}_2 \quad (2 \quad )$
- (S, C).

- 8

5.

), : , ( (II), , ( , ) .

1

- 1. ( , ... )
- 2. ( -2 )
- 3. ( - ) . (1 )

- 6

2 ( )

2

- 1). : , , .
- 2). : , , .
- 3). : .
- 4). ( -2 )
- 5). ( -2 )  
, - - .(1 )

-6

: 49 .